

Thermal Weapon Sight (TWS)



MISSION

Provide the U.S. Army infantry with the ability to detect and engage targets day or night during clear or degraded visual conditions caused by smoke, fog, or dust.

DESCRIPTION AND SPECIFICATIONS

The AN/PAS-13 Thermal Weapon Sight (TWS) enables the soldier to see deep into the battlefield; increases surveillance and target acquisition range; and penetrates obscurants, day or night. With this capability, individual and crew-served weapon gunners will truly “own the night.”

The TWS family represents a substantial improvement over the image-intensifier night sights currently in use for small arms. TWS is a Second-Generation Forward Looking Infrared (FLIR), is digital-battlefield compatible, and provides a standard video output for training, image transfer, or remote viewing. The TWS Modular Ballistic Solution (TWS-MBS) will incorporate a laser rangefinder, digital compass, and automatic aim-point adjustment for improved performance of the M2 heavy machine gun and MK19 grenade machine gun. TWS is concluding limited production and is ready for full-rate production.

TWS Family	Range	Weight	Field of View	Weapons Supported
LTWS**	550m	3.0 lb	15°	M16, M4, M203, M136
MTWS	1100m	4.5 lb	9° and 15°	M249, M60, M240B
HTWS	2200m	5.0 lb	3° and 9°	M2, MK19, M24, M16 Squad Ldr

** These weapons are currently supported by the MTWS. LTWS to be qualified in 4QFY00 and part of program year 3 Thermal Omnibus purchase.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

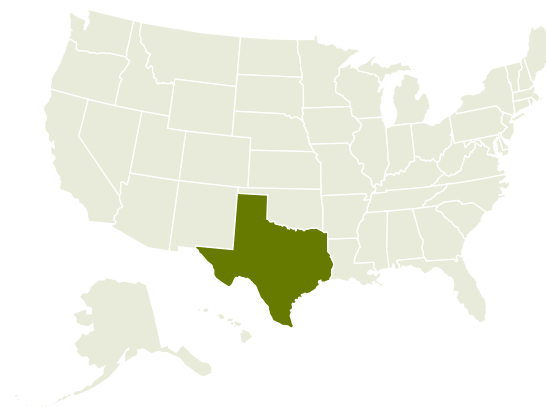
- Completed TWS limited production.
- Commence TWS “bridge” production.
- Awarded Thermal Omnibus full-rate production contract.
- Pursuing TWS MBS effort for laser rangefinder/digital compass assembly.

PROJECTED ACTIVITIES

4QFY00 Award program year 3 Thermal Omnibus contract. (Options may include LTWS.)

PRIME CONTRACTORS

Raytheon (Dallas, TX)



* See appendix for list of subcontractors

